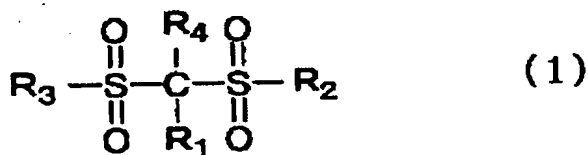AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-12. (canceled)

13. (original) An additive for an electrolyte solution for an electrochemical device comprising a compound represented by the following general formula (1):

[formula 4]

$$R_3 - \overset{\overset{\textstyle O}{\|}}{\underset{\underset{\textstyle O}{\|}}{S}} - \overset{\overset{\textstyle R_4}{|}}{\underset{\underset{\textstyle R_1}{|}}{C}} - \overset{\overset{\textstyle O}{\|}}{\underset{\underset{\textstyle O}{\|}}{S}} - R_2 \qquad (1)$$

wherein R_1 and R_4 independently represent an atom or a group selected from a hydrogen atom, a substituted or unsubstituted alkyl group having 1 to 5 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 5 carbon atoms, a substituted or unsubstituted fluoroalkyl group having 1 to 5 carbon atoms, a polyfluoroalkyl group having 1 to 5 carbon atoms, $-SO_2X_1$, wherein X_1 is a substituted or unsubstituted alkyl group having 1 to 5 carbon atoms, $-SY_1$, wherein Y_1 is a substituted or unsubstituted alkyl group having 1 to 5 carbon atoms, $-COZ$, wherein Z is a hydrogen atom or a substituted or

unsubstituted alkyl group having 1 to 5 carbon atoms, and a halogen atom; and R_2 and R_3 independently represent an atom or a group selected from a substituted or unsubstituted alkyl group having 1 to 5 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 5 carbon atoms, a substituted or unsubstituted phenoxy group, a substituted or unsubstituted fluoroalkyl group having 1 to 5 carbon atoms, a polyfluoroalkyl group having 1 to 5 carbon atoms, a substituted or unsubstituted fluoroalkoxy group having 1 to 5 carbon atoms, a polyfluoroalkoxy group having 1 to 5 carbon atoms, a hydroxyl group, a halogen atom, $-NX_2X_3$, wherein X_2 and X_3 independently represent a hydrogen atom or a substituted or unsubstituted alkyl group having 1 to 5 carbon atoms, and $-NY_2CONY_3Y_4$, wherein Y_2 to Y_4 independently represent a hydrogen atom or a substituted or unsubstituted alkyl group having 1 to 5 carbon atoms.

14-16. (canceled)